

Model 880 Handheld LCR Meter Comparison Guide



	B&K Precision			Keysight
Model	878B	879B	880	U1733C
List price	\$249	\$299	\$399	\$446.00
Priced w/ comparable options			\$399	\$548.00
Test frequencies	120 Hz, 1 kHz	100 Hz, 120 Hz, 1 kHz, 10 kHz	100 Hz, 120 Hz, 1 kHz, 10 kHz, 100 kHz	100 Hz, 120 Hz, 1 kHz, 10 kHz, 100 kHz
Resolution	40,000	40,000	40,000	20,000
Backlight LCD	--	✓	✓	✓
Auto detect mode	--	--	✓	✓
4-terminal measurement	--	--	✓	--
Measurement parameters	L, C,R, D, Q	L, C,R, Z, D, Q, Θ , ESR	L, C, R, Z, D, Q, Θ , ESR, DCR	L, C, R, Z, D, Q, Θ , ESR, DCR
Basic accuracy	0.5%	0.5%	0.1%	0.2%
Test signal level	0.6 Vrms	0.6 Vrms	0.3 Vrms, 0.6 Vrms, 1 Vrms, 1 Vdc	0.74 Vrms, 1.235 Vdc
Measurement rate	1.5 readings/sec	1.5 readings/sec	4 readings/sec (Fast), 1.5 readings/sec (Slow)	1 reading/sec
Battery life	16 hrs (alkaline)	16 hrs (alkaline)	16 hrs (alkaline), 6 hrs (Ni-MH)	16 hrs (alkaline)
Included accessories	banana to alligator test leads, battery, USB cable, manual	banana to alligator test leads, battery, USB cable, manual, AC adapter	quick start insert, banana to alligator test leads, 4-wire Kelvin test leads, SMD tweezer probe, shorting plate, rechargeable battery, USB cable, AC adapter	quick start guide, banana to alligator test leads, battery, certificate of calibration
Options	AC adapter, SMD tweezer probe, 4-wire Kelvin test leads, carrying case	SMD tweezer probe, 4-wire Kelvin test leads, carrying case	carrying case	AC adapter (\$38), SMD test lead (\$32), USB cable (\$32), carrying case

Green Border = Industry leading

Note: Keysight information as published on keysight.com May 18, 2016.